

**BLACK LOWE & GRAHAM** <sup>PLLC</sup>  
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**CENTRAL FAX CENTER****FACSIMILE COVER SHEET****JUN 06 2007**

**FAX TO:** Dr. Jeffrey T. Barton

**FACSIMILE NO:** 571.273.8100

**SUBJECT:** INFORMATION DISCLOSURE STATEMENT  
APPLICATION SERIAL NO. 10/525,923

**FROM:** Susan Rodriguez for Scott Born

**DATE:** June 6, 2007

**OUR REFERENCE:** DFEI-1-1001

**MESSAGE:** Dear Dr. Barton,

Please see the attached transmittal for the Information Disclosure Statement which was filed earlier today. We are also including a copy of the Electronic Acknowledgment Receipt received at the time of the filing, as evidence of the NPL documents being submitted.

If you have any questions, please contact Scott Born at 206.957.2491.

Thank you for your attention to this matter.

Best Regards,

*Susan R.*

Susan L. Rodriguez

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P.02

PTO/SB/089 (05-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Not for submission under 37 CFR 1.99)	Application Number		10525923
	Filing Date		2005-02-25
	First Named Inventor	Leonid B. Rubin	
	Art Unit	1753	
	Examiner Name	BARTON, Jeffrey Thomas	
	Attorney Docket Number	DFEI-1-1001	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4320154A		1982-03-01	Biter, William	
	2	5391236		1995-02-01	Krut et al.	
	3	4697041		1987-09-01	Okaniwa et al.	
	4	4315096		2005-02-25	Tyan et al.	
	5	4499658		1985-02-01	Lewis	
	6	4517403		1985-05-14	Morel et al.	
	7	4603470		1986-08-05	Yamakazi	
	8	6121542		2000-09-19	Shlotsuka et al.	

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JUN 06 2007

9	5942048	2007-06-06	Fujisaki et al.	
10	5759291	1998-06-02	Ichinose et al.	
11	5457057	1995-10-10	Nath et al.	
12	5158818	1992-10-27	Rubin et al.	
13	5084107	1992-01-28	Deguchi et al.	
14	4291191	1981-09-22	Dahlberg	
15	3996067	1976-12-07	Broder	
16	3982964	1976-09-28	Lindmayer et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

**U.S. PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code*	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050241692		2005-11-01	Rubin et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	7321351	JP		1995-12-08	Canon, Inc.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	RAABE et al., High Aspect Ratio Screen Printed Fingers, Proc. of the 20th European Photovoltaic Solar Energy Conference, 6-10 June 2005, Barcelona, Spain	<input type="checkbox"/>
	2	HOORNSTRA et al., The Importance of Paste Rheology in Improving Fine Line, Thick Film Screen Printing of Front Side of Metallization, Proc. of the 14th European Photovoltaic Solar Energy Conference, June 30-July 4, 1997, Barcelona Spain	<input type="checkbox"/>
	3	BURGERS et al., Interruption Tolerance of Metallization Patterns, Proc of the 12th European Photovoltaic Solar Energy Conference, 11-15 April, 1994; Amsterdam, The Netherlands	<input type="checkbox"/>
	4	Patent Abstracts of Japan; Vol. 1996, No. 04, April 30, 1996	<input type="checkbox"/>

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**EXAMINER SIGNATURE**

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

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Examiner Name	BARTON, Jeffrey Thomas	
Attorney Docket Number	DFEI-1-1001	

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/P. G. Scott Born/	Date (YYYY-MM-DD)	2007-06-08
Name/Print	P.G. Scott Born	Registration Number	40523

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Electronic Acknowledgement Receipt**

<b>EFS ID:</b>	1846726	<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> JUN 06 2007
<b>Application Number:</b>	10525923	
<b>International Application Number:</b>		
<b>Confirmation Number:</b>	2805	
<b>Title of Invention:</b>	Electrode for photovoltaic cells, photovoltaic cell and photovoltaic module	
<b>First Named Inventor/Applicant Name:</b>	Leonid B. Rubin	
<b>Correspondence Address:</b>	Richard T Black Black Lowe & Graham 701 Fifth Avenue Suite 4800 Seattle WA 98104 US	
<b>Filer:</b>	Michael Stevens Smith/Susan Rodriguez	
<b>Filer Authorized By:</b>	Michael Stevens Smith	
<b>Attorney Docket Number:</b>	DFEI-1-1001	
<b>Receipt Date:</b>	06-JUN-2007	
<b>Filing Date:</b>	25-FEB-2005	
<b>Time Stamp:</b>	18:49:38	
<b>Application Type:</b>	U.S. National Stage under 35 USC 371	

**Payment information:**

<b>Submitted with Payment</b>	no
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**File Listing:**

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filled	DFEI-1-1001IDS6607.pdf	335832	no	4
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
2	Foreign Reference	JP7321351.pdf	1012043	no	9
Warnings:					
Information:					
3	NPL Documents	RAABE.pdf	1174187	no	4
Warnings:					
Information:					
4	NPL Documents	Hoonstra.pdf	3112770	no	4
Warnings:					
Information:					
5	NPL Documents	BURGERS.pdf	886612	no	4
Warnings:					
Information:					
6	NPL Documents	PatentAbstractJapan.pdf	86207	no	2
Warnings:					
Information:					
Total Files Size (In bytes):			6607651		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.